UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER-SUPPLY PAPER 1809-G
PLATE 1

MAP OF NORTH PARK AND MIDDLE PARK, COLORADO SHOWING GENERALIZED GEOLOGY

EXPLANATION

SEDIMENTARY ROCKS

Qal — Alluvium
Sand, gravel, silt, and clay. Principal source of readily developed ground water. In Middle Park, locally yields moderate to large quantities of water to wells

Qt — Terrace deposits
Boulders, gravel, sand, and silt. In a very few places in North Park yield small quantities of water to springs and seeps. In Middle Park, yield small quantities of water to domestic and stock wells in places where the deposits are not drained

Recent / Pleistocene — QUATERNARY

Tnp — North Park Formation
Calcareous sandstone and conglomerate; contains siltstone, clay, volcanic ash, and tuff. Yields small quantities of water to wells and springs

Tu — Tertiary deposits undifferentiated
Boulders, gravel, sand, silt, clay, siltstone, shale, sandstone, and conglomerate. Yield small quantities of water to springs and seeps in North Park. Yield small quantities of water to domestic and stock wells in parts of Middle Park

Miocene — TERTIARY

Tc — Coalmont Formation
Sandstone, shale, coal beds, and conglomerate. In places, yields small quantities of water of generally good quality to domestic and stock wells. In places, yields from wells very small and chemical quality of water very poor

Paleocene and Eocene — TERTIARY

TKm — Middle Park Formation
Lower part consists of breccia, agglomerate, and conglomerate; upper part consists of conglomerate, grit, sandstone, and shale. Yields small quantities of water to springs

Upper Cretaceous and Paleocene — CRETACEOUS AND TERTIARY

MzPzr — Paleozoic and Mesozoic rocks undivided
Shale, sandstone, limestone, dolomite, and conglomerate. Yield small quantities of water to domestic and stock wells. Most formations consist of material too fine to store or transmit economic quantities of water

PALEOZOIC AND MESOZOIC

IGNEOUS AND METAMORPHIC ROCKS

QTr — Intrusive and extrusive rocks
Quartz monzonite, andesite porphyry, obsidian porphyry, monzonite porphyry, basalt, andesite, rhyolite, scoria, and breccia. Not known to yield water to wells

TERTIARY AND QUATERNARY

pCr — Metamorphic and igneous rocks
Chiefly schist, gneiss, and granite. In places yield small quantities of water to wells and springs

PRECAMBRIAN

Geologic contact
Solid where located with accuracy of about 2,000 feet; dashed where located with accuracy of about 5,000 feet

Fault
Solid where located with accuracy of about 2,000 feet; dashed where located with accuracy of about 5,000 feet; dotted where concealed by younger deposits

Base from U.S. Geological Survey
1:250,000 quadrangles

Geology modified from Geologic Map of Colorado (Burbank and others, 1935) 1:500,000. Delineation of alluvium in North Park by Paul T. Voegeli, Sr.

APPROXIMATE MEAN DECLINATION, 1965

SCALE 1:250 000

5 0 5 10 MILES

5 0 5 10 KILOMETERS

DATUM IS MEAN SEA LEVEL

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